| Inde | ex of CI | aims |
|------|----------|------|
|      |          |      |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/560,656              | JAY ET AL.                              |
| Examiner                | Art Unit                                |

3747

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| =        | Allowed  | ÷ |      |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Carl S. Miller

| 1 | Non-Elected  | Α | Appeal   |
|---|--------------|---|----------|
| 1 | Interference | 0 | Objected |

| Cla              | aim      |                 |          |   | [        | Date     | e  |  |  |              |     | Cla   | im       |                     |          |          | С        | ate      | ;        |          |               | $\neg$   |   | Cla   | aim        |          |          |           | C         | ate       | ;         |          |           |          |
|------------------|----------|-----------------|----------|---|----------|----------|--|--|--|--------------|-----|-------|----------|---------------------|----------|----------|----------|----------|----------|----------|---------------|----------|---|-------|------------|----------|----------|-----------|-----------|-----------|-----------|----------|-----------|----------|
|                  |          | 8               |          |   |          |          |  |  |  |              |     |       |          |                     |          |          |          |          |          |          | T             | 7        |   |       |            |          |          |           | П         |           |           |          |           | П        |
| Final            | Original | 1/14/08         |          |   | ļ        |          |  | İ  |  |              |     | Final | Original |                     |          | - 1      | - 1      | ١        |          |          |               |          |   | Final | Original   |          |          |           |           |           |           |          |           |          |
| Œ                | ō        | 1               |          |   |          |          | l  | l  |  |              |     | ш     | ő        |                     |          |          | ı        | ĺ        |          |          |               |          |   | ш     | ō          |          |          |           |           |           |           |          |           |          |
| -                | 1        | $\vdash$        | -        |   | _        |          | ⊢  | -  | -  | H            |     |       | 51       | Н                   | ┥        |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | -+            | $\dashv$ |   |       | 101        | Н        | $\dashv$ | $\dashv$  | $\dashv$  |           | $\dashv$  | $\dashv$ | $\dashv$  |          |
|                  | 2        | Н               |          | _ | -        | _        | -  | ┢  | ├  | H            |     |       | 52       | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$ |          | -        | ᆉ        | +             | ┨        |   |       | 102        |          | -        | 1         | $\dashv$  | $\dashv$  | -         | $\dashv$ | $\dashv$  | $\dashv$ |
| ļ                | 3        | Н               |          |   |          | -        | Ι-   | 十  | $\vdash$   | ╁            |     |       | 53       | H                   |          |          | _        | _        |          | $\dashv$ | $\dashv$      | ┪        |   |       | 103        |          |          | $\exists$ | $\dashv$  |           |           |          |           | $\dashv$ |
|                  | 4        |                 |          |   | _        |          |  | ┢  | $\vdash$   | $\vdash$     |     |       | 54       | П                   | 寸        |          | $\neg$   | $\neg$   | T        | $\neg$   | $\top$        | ┪        |   |       | 104        |          | $\Box$   | T         | コ         | T         | $\neg$    | $\dashv$ | $\neg$    | $\sqcap$ |
|                  | 5        |                 |          |   |          |          |  |  |  |              |     |       | 55       |                     |          |          |          |          |          |          |               |          |   |       | 105        |          |          |           |           |           |           |          |           |          |
|                  | 6        |                 |          |   |          |          | $oxed{oxed}$                                     |  | 7  |              |     |       | 56       |                     |          |          | _        |          |          |          |               |          |   |       | 106        |          |          |           |           |           |           |          |           |          |
| <u></u>          | 7        |                 |          |   | <u> </u> | _        | _  | L  | <u> </u>   | L            |     |       | 57       | Ц                   | _        | _        | _        | _        | _        | _        | 4             | 4        |   |       | 107        |          | $\dashv$ | 4         | $\dashv$  | _         |           |          | _         | $\sqcup$ |
| <u> </u>         | 8        | Ш               |          |   | <u> </u> | _        | <u> </u>   | ┡  | <u> </u>   | $\sqcup$     |     |       | 58       | Н                   | 4        | _        | _        |          |          | -        | +             | 4        |   |       | 108        |          | $\vdash$ | $\dashv$  | $\dashv$  | $\dashv$  |           | $\dashv$ | -         | $\dashv$ |
| <u> </u>         | 9        |                 | _        |   | _        | _        | <u> </u>   | ├_   | <u> </u>   | <u> </u>     |     |       | 59       | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$ |          |          | -        | $\dashv$      | -        |   |       | 109        |          |          | 4         | $\dashv$  |           | -         | $\dashv$ | $\dashv$  | $\dashv$ |
| -                | 10<br>11 | -               |          | _ |          | -        | <del> </del>                                     | ┢  | -  |              |     |       | 60<br>61 | $\vdash$            |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ |   |       | 110<br>111 |          | $\dashv$ |           |           | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  |          |
| -                | 12       | Н               | -        |   | -        |          | ┝  | $\vdash$   | ├  | Н            |     |       | 62       | $\vdash$            | $\dashv$      | $\dashv$ |   |       | 112        | Н        | +        | -         | $\dashv$  | $\dashv$  | -         | _        |           | -        |
| $\vdash$         | . 13     | Н               | $\dashv$ | _ | -        |          | ┢  | -  | $\vdash$   | Н            |     |       | 63       | $\vdash \vdash$     | $\dashv$ | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ | +             | $\dashv$ |   |       | 113        | H        | +        | -         | -         | $\dashv$  |           | $\dashv$ |           | $\dashv$ |
| -                | 14       | $\vdash$        |          | _ | $\vdash$ | $\vdash$ | $\vdash$   | 1  | <del>                                     </del> | $\vdash$     |     |       | 64       | $\vdash$            | $\dashv$ | $\dashv$ | -        |          | -        | _        | +             | $\dashv$ | ŀ |       | 114        |          | $\dashv$ | 7         | $\dashv$  |           |           | $\dashv$ | $\dashv$  | $\neg$   |
|                  | 15       | П               |          |   |          |          |  | T  | T  |              |     |       | 65       | $\sqcap$            | 1        | $\dashv$ | 一        | _        | -        |          | +             | $\dashv$ |   |       | 115        |          | $\Box$   | 7         | $\neg$    |           |           | 寸        | $\exists$ | $\sqcap$ |
|                  | 16       |                 |          |   |          |          |  |  | Γ  |              |     |       | 66       |                     |          |          |          |          |          |          | 丁             |          |   |       | 116        |          |          | ╛         |           |           |           |          |           |          |
| 1                | 17       | =               |          |   |          |          |  |  |  |              |     |       | 67       |                     |          |          |          |          |          | $\Box$   | $\Box$        |          |   |       | 117        |          |          |           | $\Box$    |           |           |          |           |          |
| 2                | 18       | =               |          |   |          |          |  |  |  |              |     |       | 68       | Ш                   |          |          |          |          |          |          |               |          | ļ |       | 118        |          |          |           | _         |           |           |          |           | Ш        |
| 3                | 19       | =               |          |   |          |          | _  | _  | L  | $oxed{oxed}$ |     |       | 69       | $\Box$              |          |          | _        | _        | _        | _        | _             | _        |   |       | 119        |          |          | _         | $\dashv$  | _         |           | $\perp$  | _         |          |
| 4                | 20       | =               |          |   | _        |          | <u> </u>   | ļ  |  | Ш            |     |       | 70       | $\Box$              | _        | _        | _        | _        |          | _        | _ -           | _        |   |       | 120        |          |          | _         |           | _         | _         | $\dashv$ | _         | -        |
| 5                | 21       | =               |          |   | _        |          | <u> </u>   | <u> </u>   | <u> </u>   | $\vdash$     |     |       | 71       | $\sqcup$            | 4        | -        | -        | -        | _        |          |               | -        |   |       | 121        | Ш        | _        | 4         | $\dashv$  |           | _         | $\dashv$ | $\dashv$  | $\dashv$ |
| 6                | 22       |                 | -        |   | -        |          | ⊢  | ┢  | ⊢  | $\vdash$     | -   |       | 72<br>73 | $\vdash$            | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | +             | $\dashv$ |   |       | 122<br>123 | -        | _        | $\dashv$  | $\dashv$  | $\dashv$  |           |          |           | -        |
| <u> </u>         | 24       | =               |          |   | -        |          | ├  | $\vdash$   | $\vdash$   | $\vdash$     |     |       | 74       | $\vdash$            | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | -             | $\dashv$ | ł |       | 124        | $\vdash$ | -        | $\dashv$  | $\dashv$  | -         | -         | $\dashv$ | -         | $\dashv$ |
|                  | 25       | Н               |          |   | -        |          | $\vdash$   | H  | <del>  .</del>                                   |              |     |       | 75       | $\vdash$            | $\dashv$ | +        | -        |          | $\dashv$ | ┪        | +             | $\dashv$ | - |       | 125        |          | -        | $\dashv$  | $\dashv$  |           | _         | $\dashv$ |           | -        |
| 7                | 26       | =               | $\dashv$ |   | $\vdash$ |          | ┢  | ╁┈   | -  | $\vdash$     | 1   |       | 76       | $\dashv$            | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$ | +             | $\dashv$ | 1 |       | 126        |          |          |           | $\dashv$  |           |           | $\dashv$ | $\neg$    | $\Box$   |
| 8                | 27       | ▗               |          |   |          |          |  | <del>                                     </del> |  | П            |     |       | 77       |                     | 一        | 寸        | 1        | $\neg$   | $\dashv$ |          |               | $\neg$   | Ì |       | 127        |          |          |           | $\exists$ |           |           |          |           |          |
| 9                | 28       | =               | 一        |   |          |          | <del>                                     </del> |  |  | П            |     |       | 78       | $\Box$              | 寸        | $\dashv$ | T        | $\neg$   | $\neg$   | コ        |               | 7        | Ì |       | 128        |          |          |           |           |           |           |          |           |          |
|                  | 29       |                 |          |   |          |          |  |  |  |              |     |       | 79       |                     |          |          |          |          |          |          |               |          |   |       | 129        |          |          |           |           |           |           |          |           |          |
|                  | 30       |                 |          |   |          |          | L  | $oxed{oxed}$                                     | _  |              |     |       | 80       | $\sqcup$            | _        | $\perp$  |          | $\Box$   | _        |          |               | 4        | ļ |       | 130        |          |          |           | $\dashv$  | _         |           | $\dashv$ | _         | Ш        |
|                  | 31       | Ш               | $\Box$   |   |          |          | ldash  | ļ  |  | _            | - 0 |       | 81       | $\sqcup$            | 4        | 4        |          | _        | $\dashv$ | _        |               | _        | ļ |       | 131        |          |          | 4         | $\dashv$  | _         | _         |          | _         |          |
| <u> </u>         | 32       | Ш               | $\dashv$ |   |          | $\vdash$ | <u> </u>   | Ŀ  | ├  |              |     |       | 82       | $\dashv$            |          |          |          | $\dashv$ | -        |          | _             | 4        |   |       | 132        |          |          | -         |           |           | -         | $\dashv$ | $\dashv$  | $\vdash$ |
|                  | 33<br>34 | $\vdash$        | $\dashv$ |   |          | -        | $\vdash$   | ├  | -  | $\vdash$     |     |       | 83<br>84 |                     | $\dashv$ | $\dashv$ |          | $\dashv$ | -        | $\dashv$ | +             | +        | ŀ |       | 133<br>134 |          | +        |           |           | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  | -        |
| <del>  -  </del> | 35       | $\vdash$        | -        | _ |          | $\vdash$ |  | <del> </del>                                     | -  | Н            |     |       | 85       | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        |          | $\dashv$      | $\dashv$ |   |       | 135        | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$  | -         | $\dashv$ | $\dashv$  | -        |
|                  | 36       | Н               | $\dashv$ |   | Н        | $\vdash$ | -  | $\vdash$   | $\vdash$   | Н            |     |       | 86       | $\vdash$            | $\dashv$      | $\dashv$ |   |       | 136        | H        | $\dashv$ | 1         | $\dashv$  | -         | $\dashv$  | $\dashv$ | $\dashv$  |          |
|                  | 37       | Н               | $\dashv$ |   | $\vdash$ | $\vdash$ | -  | t  |  | Н            |     |       | 87       | $\vdash$            | 1        | $\dashv$ | +        |          | _        | -        | $\top$        | $\dashv$ |   |       | 137        |          |          | 1         | $\dashv$  | $\neg$    | $\exists$ | 寸        | $\exists$ | $\Box$   |
|                  | 38       | $\Box$          |          |   |          |          | Г  | T  |  | $\Box$       |     |       | 88       | $\vdash$            | $\dashv$ | 寸        | $\dashv$ | _        | _        | 寸        | $\neg \vdash$ | $\dashv$ |   |       | 138        |          |          | T         | $\dashv$  | $\exists$ |           | $\neg$   |           |          |
|                  | 39       |                 |          |   |          |          |  |  |  |              |     |       | 89       |                     |          |          |          |          |          |          |               |          |   |       | 139        |          |          |           |           |           |           |          |           |          |
|                  | 40       |                 |          | _ |          |          |  |  |  |              |     |       | 90       |                     | $\Box$   | $\Box$   |          |          |          | $\Box$   |               |          |   |       | 140        |          |          |           |           |           |           | $\Box$   |           |          |
|                  | 41       |                 |          |   |          |          |  |  |  |              |     |       | 91       | $\Box$              | $\Box$   | Ţ        |          | $\Box$   | 긔        | $\Box$   | $\perp$       | $\Box$   |   |       | 141        |          | Ц        |           |           | _         |           | $\Box$   | _]        | ot       |
|                  | 42       | Ш               |          |   |          | Ш        | <u></u>  | <u> </u>   | <u> </u>   | Ш            |     |       | 92       | Ц                   | _        | _        | _        | _        | _        | _        | $\dashv$      | $\dashv$ |   |       | 142        | Ш        | $\sqcup$ | _         |           |           | _         | _        | 4         | Ш        |
|                  | 43       | Ш               | _        | _ | ļ        | <u> </u> | <u> </u>   | <u> </u>   | _  | Ш            |     |       | 93       | $\sqcup$            | 4        | -        |          | 4        | _        | _        | -             | $\dashv$ |   |       | 143        |          |          | 4         | $\dashv$  | 4         | _         | $\dashv$ |           |          |
| ļ                | 44       | $\sqcup$        | _        |   | $\vdash$ | $\vdash$ | <u> </u>   | <u> </u>   | <u> </u>   | $\vdash$     |     |       | 94       | $\vdash \downarrow$ | 4        | $\dashv$ |          | -        |          | $\dashv$ | +             | $\dashv$ | - |       | 144        |          | $\dashv$ | 4         | $\dashv$  | $\dashv$  |           | $\dashv$ | $\dashv$  |          |
|                  | 45<br>46 | Н               |          |   |          | $\vdash$ | -  | ├-   | -  | $\vdash$     |     |       | 95<br>96 | $\vdash \vdash$     | $\dashv$ | $\dashv$ | $\dashv$ | -        | 4        |          | +             | $\dashv$ | ŀ |       | 145<br>146 |          | +        | +         | $\dashv$  |           |           | -        | $\dashv$  | $\dashv$ |
|                  | 47       | $\vdash \vdash$ | $\dashv$ | _ |          | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     |     |       | 97       | $\vdash$            | +        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | ŀ |       | 147        |          | +        | -         | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ |
|                  | 48       | Н               | $\dashv$ | _ |          | $\vdash$ | $\vdash$   | $\vdash$   |  | Н            |     |       | 98       | $\vdash$            | +        | -        | -+       | -        | $\dashv$ | ᅱ        | $\dashv$      | $\dashv$ | 1 |       | 148        | -        | $\dashv$ | 1         | $\dashv$  | $\dashv$  | -         | +        | $\dashv$  | $\dashv$ |
| -                | 49       | H               | ᅱ        |   | -        | $\vdash$ | ┢  | $\vdash$   | -  | H            |     |       | 99       | $\vdash$            | +        | -        | 十        | $\dashv$ | $\dashv$ | -        | $\dashv$      | $\dashv$ | 1 |       | 149        |          | $\dashv$ | $\dashv$  | $\dashv$  |           | ᅥ         | $\dashv$ | $\exists$ | $\dashv$ |
|                  | 50       | -               | $\neg$   |   |          | П        | Γ-   | Γ  | Γ  |              |     |       | 100      | $\Box$              | $\dashv$ | $\dashv$ | 寸        | $\dashv$ | 寸        | $\dashv$ | _             | _        |   |       | 150        |          |          |           |           |           | ╗         |          |           |          |